US00PP32318P3

(12) **United States Plant Patent**
Hand et al.

(10) **Patent No.: US PP32,318 P3**
(45) **Date of Patent: Oct. 13, 2020**

(54) ***CANNABIS* PLANT NAMED 'MR2017002'**

(50) Latin Name: ***Cannabis sativa***
Varietal Denomination: **MR2017002**

(71) Applicant: **MedReleaf Corp.**, Toronto, Ontario (CA)

(72) Inventors: **Andrew Hand**, Bradford (CA); **Alan Graziano**, Toronto (CA)

(73) Assignee: **Aurora Cannabis Enterprises Inc.**, Edmonton (CA)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **16/501,409**

(22) Filed: **Apr. 9, 2019**

(65) **Prior Publication Data**

US 2019/0313563 P1 Oct. 10, 2019

(30) **Foreign Application Priority Data**

Apr. 10, 2018 (CA) ..... PBR 18-9418

(51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/28 (2018.01)
A61K 36/185 (2006.01)

(52) **U.S. Cl.**
USPC **Plt./258**
CPC ***A01H 6/28*** (2018.05); *A61K 36/185* (2013.01)

(58) **Field of Classification Search**
USPC Plt./258, 263.1
CPC ... A01H 5/12; A01H 5/02; A01H 5/00; A01H 6/28; A61K 36/185; G06F 3/0481
See application file for complete search history.

Primary Examiner — June Hwu
(74) *Attorney, Agent, or Firm* — Christensen O'Connor Johnson Kindness PLLC

(57) **ABSTRACT**

A new cultivar of *Cannabis* named 'MR2017002' that is characterized by 13% THC and 0.1% CBD by dry weight, significant resistance to microbial growth, and a low number of intra-flower leaves on average for *Cannabis*.

2 Drawing Sheets

Genus and species: *Cannabis sativa*.
Variety denomination: 'MR2017002'.

CROSS REFERENCE TO RELATED APPLICATIONS

This application claims the benefit of priority under 35 U.S.C. 119 (f) to the application for Canadian Plant Breeders' Rights which was filed for the instant plant variety on Apr. 10, 2018, Application Number 18-9418.

BACKGROUND OF THE NEW PLANT

The present invention relates to a new and distinct variety of *Cannabis* grown for use as medical marijuana. The new cultivar is known botanically as *Cannabis sativa* and will be referred to hereinafter by the cultivar name 'MR2017002'.

'MR2017002' originated from a controlled cross in Markham, Ontario, Canada, between the female *Cannabis sativa* variety 'California Orange' and the male *Cannabis sativa* variety 'Skunk #1'.

Seeds from the cross were sown in Markham, Ontario, Canada and plants were screened for a number of traits including tetrahydrocannabinol (THC) and cannabidiol (CBD) levels, yield, flowering time, disease resistance and flower morphology. In July 2015, a single plant was selected having about 13% THC and 0.1% CBD by dry weight, significant resistance to microbial growth, and a low number of intra-flower leaves. The selection was named 'MR2017002'.

In July 2015, 'MR2017002' was first asexually propagated by apical stem cuttings approximately 10 cm long and having multiple auxiliary meristems, in Markham, Ontario, Canada. 'MR2017002' was found to reproduce true to type in successive generations of asexual propagation via vegetative cuttings in Markham, Ontario, Canada.

SUMMARY

The following traits have been repeatedly observed and represent the distinguishing characteristics of 'MR2017002'. 'MR2017002' has not been tested under all possible conditions and phenotypic differences may be observed with variations in environmental, climatic, and cultural conditions, without however, any variance in genotype.

1. 'MR2017002' exhibits approximately 13% THC by dry weight.
2. 'MR2017002' exhibits approximately 0.1% CBD by dry weight.
3. 'MR2017002' exhibits resistance to microbial growth.
4. 'MR2017002' exhibits lower number of intra-flower leaves compared to reference plant Girl Scout Cookies and/or low on average for *Cannabis*.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying color photographs illustrate the overall appearance of 'MR2017002'. The photographs are of plants aged 8 to 9 weeks post-floral transition and grown in flower rooms under standard cultivation methods in Markham, Ontario, Canada, in February, 2018. The colors shown are as true as can be reasonably obtained by conventional photographic procedures.